

**Paducah Gaseous Diffusion Plant  
Citizens Advisory Board  
Meeting Minutes  
June 17, 2004**

The June 17, 2004 Citizens Advisory Board (CAB) meeting was held at the CAB office in Paducah, Kentucky at 5:30 p.m.

**Board members present:** Richard Dyer, Barry Eadens, Vicki Jones, Linda Long, Douglas Raper, John Russell, Jim Smart, Dorothy Starr, and Bill Tanner

**Board members absent:** Byron Forbus, Chad Kerley, Ricky Ladd, Rebecca Lambert, Bobby Lee, and Rhonda McCorry

***Ex Officio* members and related regulatory agency employees present:** Brian Begley and Gaye Brewer, Kentucky Division of Waste Management; Mike Hardin and Brad Pendley, Kentucky Department of Fish and Wildlife Resources

**Deputy Designated Federal Official present:** William Murphie

**DOE Federal Coordinator present:** David Dollins

**DOE-related employees present:** Tracey Brindley, Bryan Clayton, Kim Crenshaw, Jim Ethridge, Greg Felts, Craig Jones, Steve Kay, Jim Kreitzer, Kendra Payne, Bruce Phillips, Oly Serrano, and Glenn VanSickle

**Public:** Charles and Vicki Jurka

## **Introductions**

Tanner called the meeting to order at 6:00 p.m. He introduced Eadens, a new member of the Board.

## **Agenda**

Kay asked if there were any proposed modifications to the agenda. There were no modifications. **The Board adopted the agenda by consensus.**

## **Minutes**

Kay asked if there were any proposed modifications to the draft May minutes. There were no modifications. **The Board approved the minutes by consensus.**

## **Deputy Designated Federal Official's Comments**

Murphie stated Jesse Roberson, U.S. Department of Energy (DOE) Assistant Secretary for Environmental Management (EM), announced her resignation effective July 15. He said Paul Golan will be the acting DOE Assistant Secretary for EM.

Murphie reported a Notice of Violation was received for alleged exceedance of acute toxicity at Outfall 17. He said the cause is not known at this time.

## **Budget**

Murphie stated the Fiscal Year 2005 Energy and Water Appropriations Bill cleared the House Appropriations Subcommittee in Energy and Water Development last week. He said the Senate has not acted on the bill at this time.

## **Environmental Safety and Health Issues**

Murphie reported an incident occurred resulting from a forklift operator making contact with an overhead line with the mast of the forklift. He said there were no injuries. He stated there have been incidents regarding intermodal container lids at Portsmouth and Paducah. Murphie said these containers are being phased out and sea land containers will be used.

## **Risk-Based End State**

Murphie stated DOE is scheduled to meet with the Paducah Chamber of Commerce and the Greater Paducah Economic Development Council regarding the Risk-Based End State (RBES) document on July 15. He said DOE has issued a letter to all organizations in the area to ask for an invitation to discuss RBES. He said an invitation from the Active Citizens for Truth is pending.

## **Progress of the Paducah Project**

Murphie reported May progress as follows:

- Scrap Metal Removal project disposed 172 tons of scrap metal in the C-746-U Landfill and shipped 209 tons to the Nevada Test Site (NTS).
- C-400 Source Removal Proposed Remedial Action Plan was issued June 1, 2004, for public comment through July 16, 2004. The Membrane Interface Probe and the storm sewer video inspection was completed for the Southwest Plume Investigation. Field mobilization for the S&T Landfill Investigation is complete.
- 14,500 ft<sup>3</sup> of DOE Material Storage Area (DMSA) material was characterized. Aggressive disposal is ongoing and 12 of 17 outside DMSAs are now empty.
- The Legacy Waste Disposition project has disposed of approximately 70,200 ft<sup>3</sup> of waste over the project life. The project completed disposition of wooden pallets in the C-746-U Landfill.
- 26 of 68 remedial units of Section 1 of the North-South Diversion Ditch (NSDD) have been excavated. The project is six months ahead of schedule.
- DOE has completed the survey of 10 roll off bins for landfill disposition and are continuing preparation of Hydrogen Fluoride tanks for shipment. Fluorine cell blasting has been initiated at the C-410 Decontamination and Decommissioning complex and shipments of compactible material has been shipped to NTS for disposal.
- 4,990 tons of non-hazardous solid waste was disposed in the C-746-U Landfill. The permit modification to allow for disposal of non-hazardous spill cleanup residue is pending.
- Groundbreaking for the Depleted Uranium Hexafluoride Conversion Facility is scheduled to occur on or before July 31, 2004. The Final Environmental Impact Statement was issued June 8, 2004.
- Infrastructure and remediation contracts are scheduled to be awarded August 26, 2004.

## **Comments**

Russell inquired about the daily limit for disposal in the C-746-U Landfill. Dollins said he would provide an answer at the Waste Disposition task force.

Smart inquired about the Perma-Fix technology. VanSickle explained Perma-Fix is a company that uses various treatment technologies for Resource, Conservation and

Recovery Act waste. He said some of the treatments include encapsulation, decanting, chemical neutralization, and solidation. Smart asked if vitrification is used at Perma-Fix. VanSickle said it is not used in Oak Ridge, which is where the waste is being sent.

### **Federal Coordinator Comments**

Dollins welcomed Barry Eadens to the Board. He said the CAB asked in Recommendation 04-06, to add five members, but no less than three to fill unexpired membership terms. He said DOE approved Bobby Lee on February 25, 2004, Chad Kerley on March 6, 2004, and Barry Eadens on April 29, 2004. Dollins said three of the unexpired membership terms have been filled, therefore, the recommendation regarding membership has been accepted.

Dollins stated the Site-Wide Sediment Control Recommendation 01-03 requested that DOE develop a site-wide surface water management plan. He stated through negotiations with the Commonwealth of Kentucky and the U.S. Environmental Protection Agency a new strategy through the Agreed Order is in place. Dollins said the scope is now focusing on 19 outfalls, internal ditches, the NSDD Sections 3, 4, and 5, and storm sewers for future sediment controls. He said a Site Investigation/Risk Assessment will be conducted. Dollins stated a Sampling Plan has been forwarded to the regulators. He said the recommendation is accepted with some modification.

Dollins reported he has been working with Raper and Tanner on the Support Services Contract. He said the Acquisition Plan and the Implementation Plan have been agreed upon and he is working to locate an 8(a) Small Business contractor.

### **Ex-Officio Comments**

#### **Kentucky Department of Fish and Wildlife Resources**

Pendley introduced Mike Hardin, Environmental Section Chief for the Kentucky Department of Fish and Wildlife Resources. Pendley stated he was resigning to obtain a federal position. Wayne Davis will name a new ex-officio member prior to his retirement. Pendley expects Hardin will be Davis' replacement.

### **Task Forces/Presentations**

#### **Water Quality Task Force**

Smart announced the Water Quality task force will meet July 9 due to the holiday.

Smart reported the Board had submitted a recommendation regarding additional sampling within the Southwest Plume Site Investigation Sampling and Analysis Plan to DOE in May. He said based on the inspection of the storm sewer video, DOE and the Water Quality task force have agreed that online monitoring is not necessary.

Smart said the C-746-S&T Landfill Site Investigation will start in mid-June.

### **C-400 Proposed Remedial Action Plan**

Smart presented a review of the C-400 Source Removal Proposed Remedial Action Plan (PRAP).

Smart asked the difference in Six-Phase and Three-Phase Heating Technology. Clayton said the difference is in electrical portion. He said Three-Phase Heating Technology is more agreeable to several geometric areas.

Tanner asked what area is the Three-Phase Heating Technology being proposed. Smart said the south end of the C-400 Building. He stated the drilling will be at an angle to get beneath the building. Clayton said the area is at the Southeast corner of the building to target the dense nonaqueous-phase liquid (DNAPL).

Tanner asked if the target for trichloroethylene is 100 parts per million (ppm). Clayton said the shut down point is 100 ppm but will operate until levels flatten out. He said the economics of recovery will decrease at that point.

Russell asked if rebounding is being addressed in the PRAP. Dollins said this was a interim action and there will have to be follow-up actions in the future to achieve a Record of Decision in agreement with the regulators. Tanner asked if the Six-Phase apparatus will be left in place for rebounding if necessary. Murphie said this has been discussed and it is a possibility.

Tanner suggested the Water Quality task force discuss recommendations or comments to DOE at the July task force meeting.

### **Long Range Strategy/Stewardship**

Tanner said the task force discussed participating in the Paducah Area Community Reuse Organization's proposal for an independent study of the plant.

Tanner stated Kerley would provide a draft of the CAB's revised Operating Procedures and Bylaws in July for review. He said the Board would vote on the revisions at the August Board meeting.

### **Community Outreach**

Tanner reported the Community Outreach task force is working on their workplan.

### **Waste Disposition Task Force**

Tanner said the C-746-U Landfill annual survey will be available in June or July. He said the task force received a presentation on DMSAs. Tanner reported Russell will

provide a presentation to the Board on the Burial Ground Operable Unit in July. He said the Waste Operations task force will receive a presentation on the C-746-U Landfill at their next meeting.

## **Administrative Issues**

### **Review of Workplan**

Kay asked if there were any additions to the Workplan. Tanner said there were none at this time. Tanner explained the workplan incorporates the dates for presentations to be conducted by task force members to the full Board.

### **Review of July Agenda**

Kay asked if there were any proposed modifications to the agenda. There were no modifications.

### **Action Items**

Kay reported that all action items are closed except for the actions to provide Tanner with the C-746-U Landfill Annual Survey and the preparation for the Risk Assessment Workshop. Payne said VanSickle has provided the landfill survey information to Russell to be discussed at the Waste task force. She stated the Risk Assessment Workshop could be scheduled for August.

## **Subcommittee Reports**

### **Executive Committee**

Tanner requested that all members respond to staff emails.

Tanner asked all Board members participating in the Member Orientation/Site Tour to complete the Visitor Pass Request and pay for the lunch. He reminded all members to bring their Member Handbooks to the Orientation. Murphie encouraged all new members to participate in the Member Orientation and Site Tour.

Tanner stated a Membership Ad Hoc subcommittee will be formed in July to begin a membership drive. He requested two volunteers contact the support staff to help with the subcommittee. He suggested the support staff send an email to all members that were not present at the Board meeting asking for membership drive volunteers.

The meeting adjourned at 7:30 p.m.